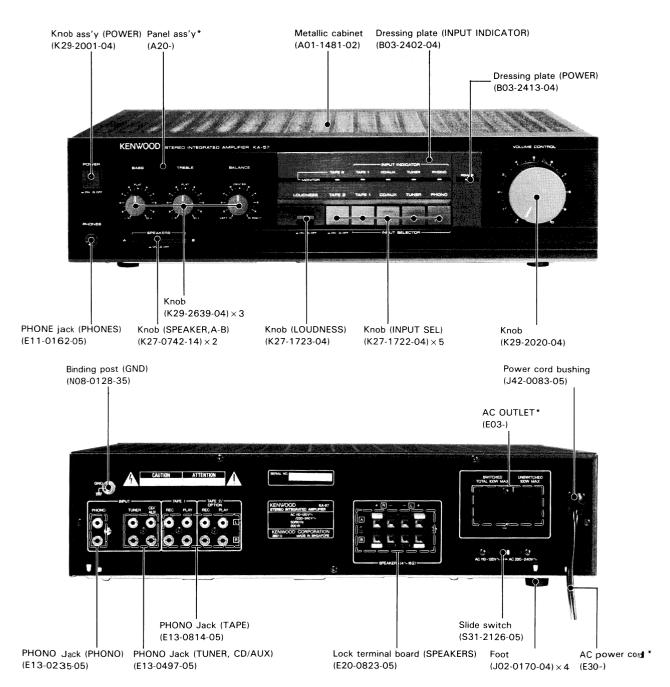
STEREO INTEGRATED AMPLIFIER

KA-57 SERVICE MANUAL

KENWOOD

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0-11



^{*} Refer to parts list on page 18. Photo is KA-57.

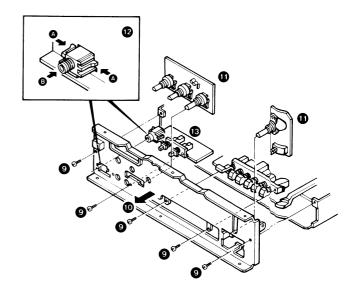


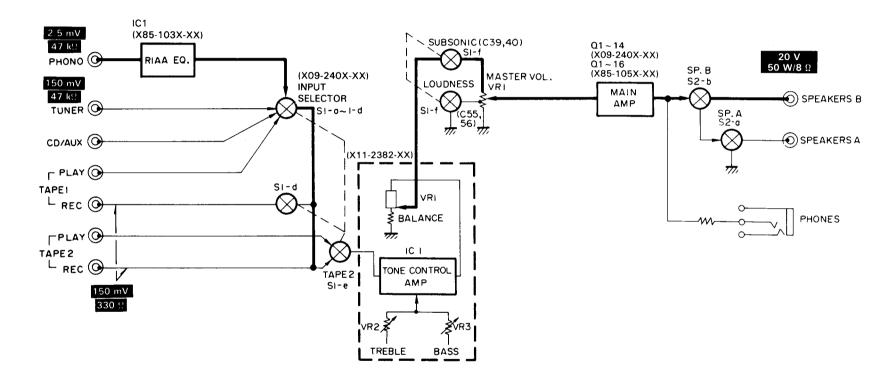
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DISASSEMBLY FOR REPAIR

- 1. Remove the metallic cabinet before this operation.
- 2. Remove the 6 screws fixing the front panel to the sub panel (1).
- 3. Remove the front panel in the direction of the arrow (2).
- 4. Remove the 4 knobs from the BASS, TREBLE, BALANCE and VOLUME CONTROL (3).
- 5. Remove the 4 hex. nuts from the BASS, TREBLE, BALANCE and VOLUME CONTROL shafts (4).
- 6. Pull out the 2 buttons from the SPEAKERS shafts (5).
- 7. Remove the 2 screws fixing the escutcheon to the subpanel (6).
- 8. Remove the escutcheon in the direction of the arrow (1).
- 9. Remove the Audio Unit (X09-) (E/5) in the direction of the arrow (3).
- 10. Remove the 5 screws on the sub panel (9).
- 11. Remove the sub panel in the direction of the arrow (10).
- 12. Remove the Audio Unit (X09-) (C/5) and Tone Unit (X11-) (1).
- 13. Disengage the claws of the PHONES jack (12).
- 14. Remove the Audio Unit (X09-) (B/5) (13).







CIRCUIT DESCRIPTION

UNIT-DESTINATION

	E		X, T, M, P	
POWER SUPPLY X00-239X-XX	0-51 (0-52)	X,T 0-51 (0-52)	M 0-81 (0-83)	P 1-01 (1-02)
TONE UNIT	X11-2382-70 (X11-2382-71)	←		
AUDIO UNIT	X09-2402-72 (X09-2632-72)	X09-2400-22 (X09-2630-22)		
PRE AMP UNIT	X85-1032-72 (X85-1112-71)	X85-1030-11 (X85-1110-10)		
MAIN AMP UNIT	X85-1050-12 (X85-1052-72)		X85-1050-12 (X85-1050-14)	

) SINGAPORE MADE

DESCRIPTION OF COMPONENTS

Audio unit (X09-240X-XX or X09-263X-XX)

Component	Application/function	Operation/condition/compatibility
Q1	+ voltage regulation	
Q2	 voltage regulation 	
Q3, 4	Thermal compensation	C4137: High β transistor. (hfe 560 or more)
Q5-8	Driver	
Q9-12	Final stage power amp	
Q13, 14	Over current protection	
Q15, 16	Meter drive	
IC1 (UPC1237HA)	Protection IC	

Tone unit (X11-2382-XX)

Component	Application/function	Operation/condition/compatibility
IC1 (UPC4570C)	Tone amp	Output configuration tone amp.

Preamplifier unit (X85-103X-XX or X85-111X-XX)

Component	Application/function	Operation/condition/compatibility
IC1 (AN6556)	EQ amplifier	For phono.

Power amplifier unit (X85-105X-XX)

Component	Application/function	Operation/condition/compatibility
Q1-4	Class A 1st stage differential amp	
Q5-8	2nd stage differential amp	
Q9, 10	Class A amp	
Q11-14	3rd stage differential amp	2SC1904.
Q15, 16	Current mirror circuit	2SA899.

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

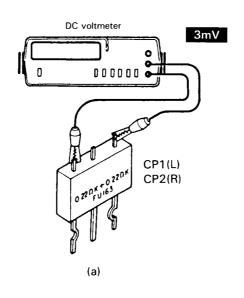
No.	I TEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	I DLE CURRENT	-	Connect a DC voltmeter across CP1 (L) CP2 (R)	VOLUME: 0	VR1 (L) VR2 (R)	3mV	(a)

REGLAGES

	_	REGLAGE DE	REGLAGE DE	REGLAGE DE	POINS		
N°	I TEM	L'ENTREE	LA SORTIE	L'AMPLIFICATEUR	L'ALIGNEMENT	ALIGNER POUR	FIG.
			Connecter un				
	COURANT DE		voltmêtre de CC sur	:	VR1 (G)		
1	POLARISATION	new .	CP1 (G)	VOLUME: 0	VR2 (D)	3 m V	(a)
			CP2 (D)				

ABGLEICH

NR.	GEGENSTAND	EINGANGS- EINSTELLUNG	AUSGANGS- Einstellung	VERSTÄRKER Einstellung	ABGLEICH- Punkte	ABGLEICHEN FÜR	ABB.
1	LEERLAUFSTROM	_	Einen Gleichspannungs- messer ber CP1 (L) CP2 (R) anschließen.	VOLUME: 0	VR1 (L) VR2 (R)	3m¥	(a)





VOLTAGE TABLES

X85-103X-XX X85-111X-XX

IC1

4	- 18.8V
8	18.3V

X09-240X-XX X09-263X-XX

Q3,4

E	-1.2V
С	1.2V
В	

Q5,6

E	
С	47V
В	_

Q7,8

Е	
С	47V
В	

Q9,10

Е	
С	47V
В	

Q11,12

E	
С	- 4 7V
В	

IC1

4	1.8V
6	0.75V
7	2.2V
8	3.3V

X85-105X-XX

Q1~4

E	٥V
С	17V
В	

Q5, 6

E	17.6V
С	– 11.3V
В	17V

Q7, 8

E 17.6V	
С	-
В	17V

Q9,10

E	-0.6V
С	45.2V
В	

Q11,12

E	- 49.1V
С	-0.6V
В	- 48.5V

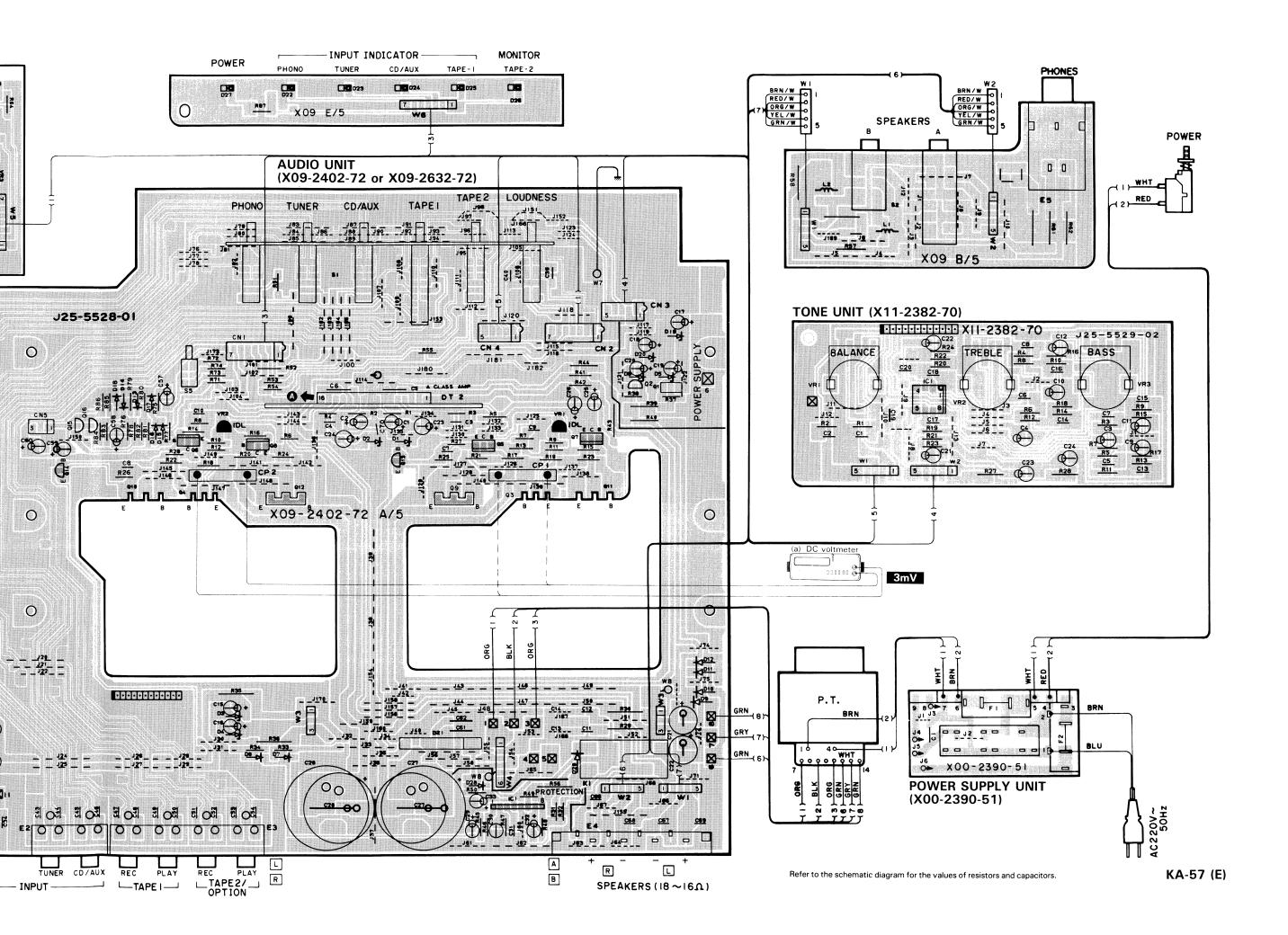
Q13,14

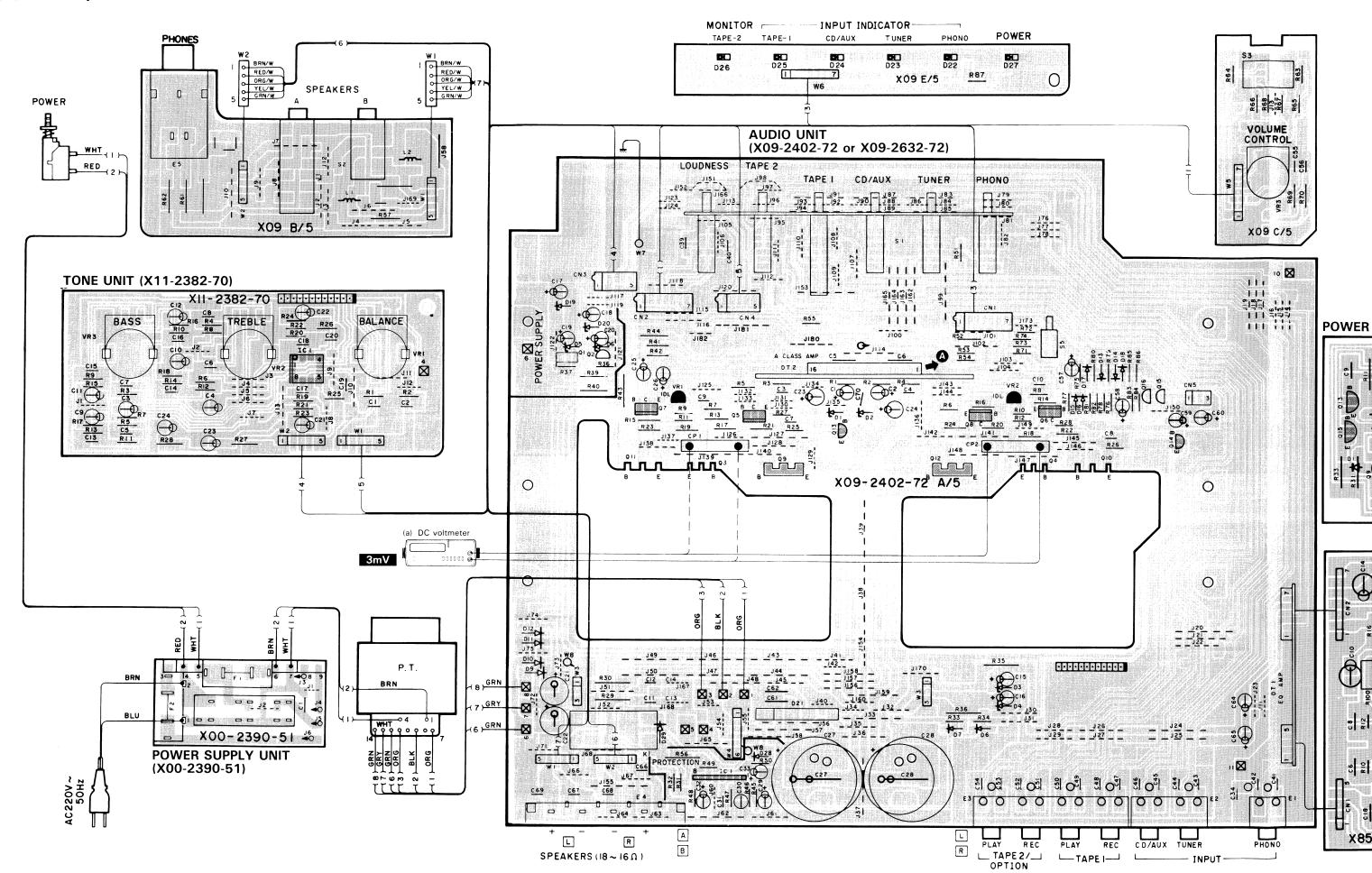
E	- 49.1V
С	– 1.2V
В	

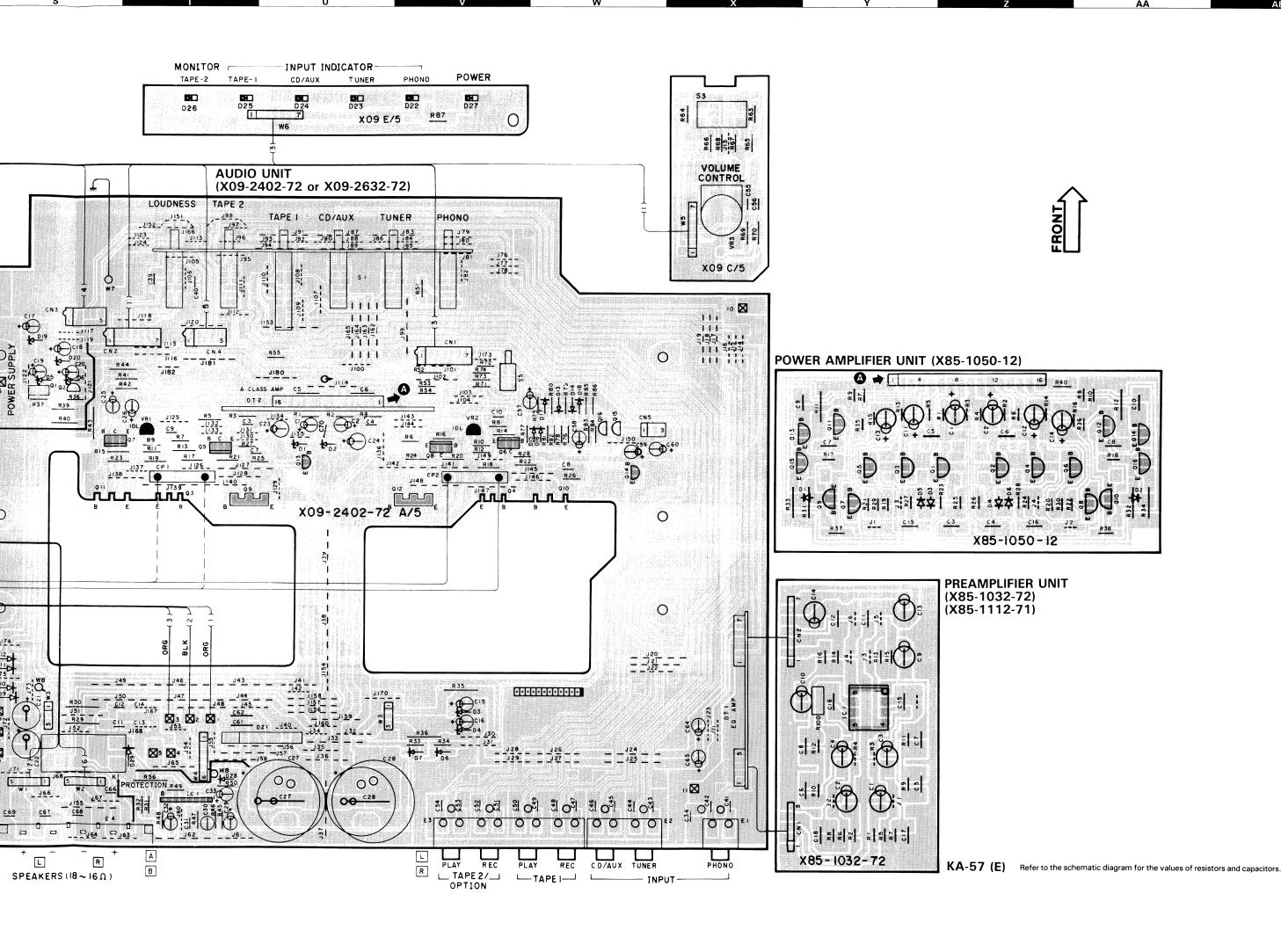
X11-2382-70 X11-2382-71

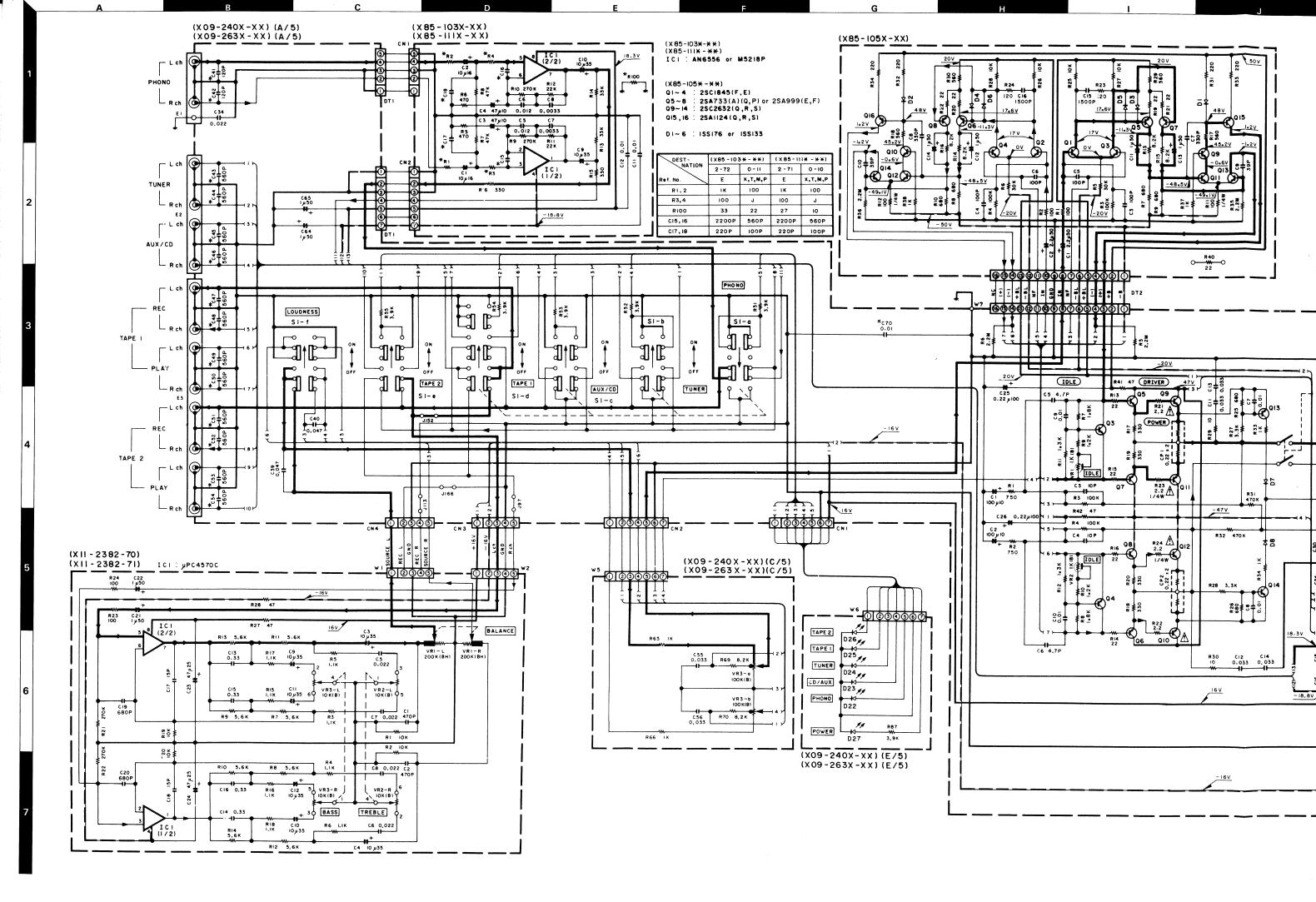
IC1

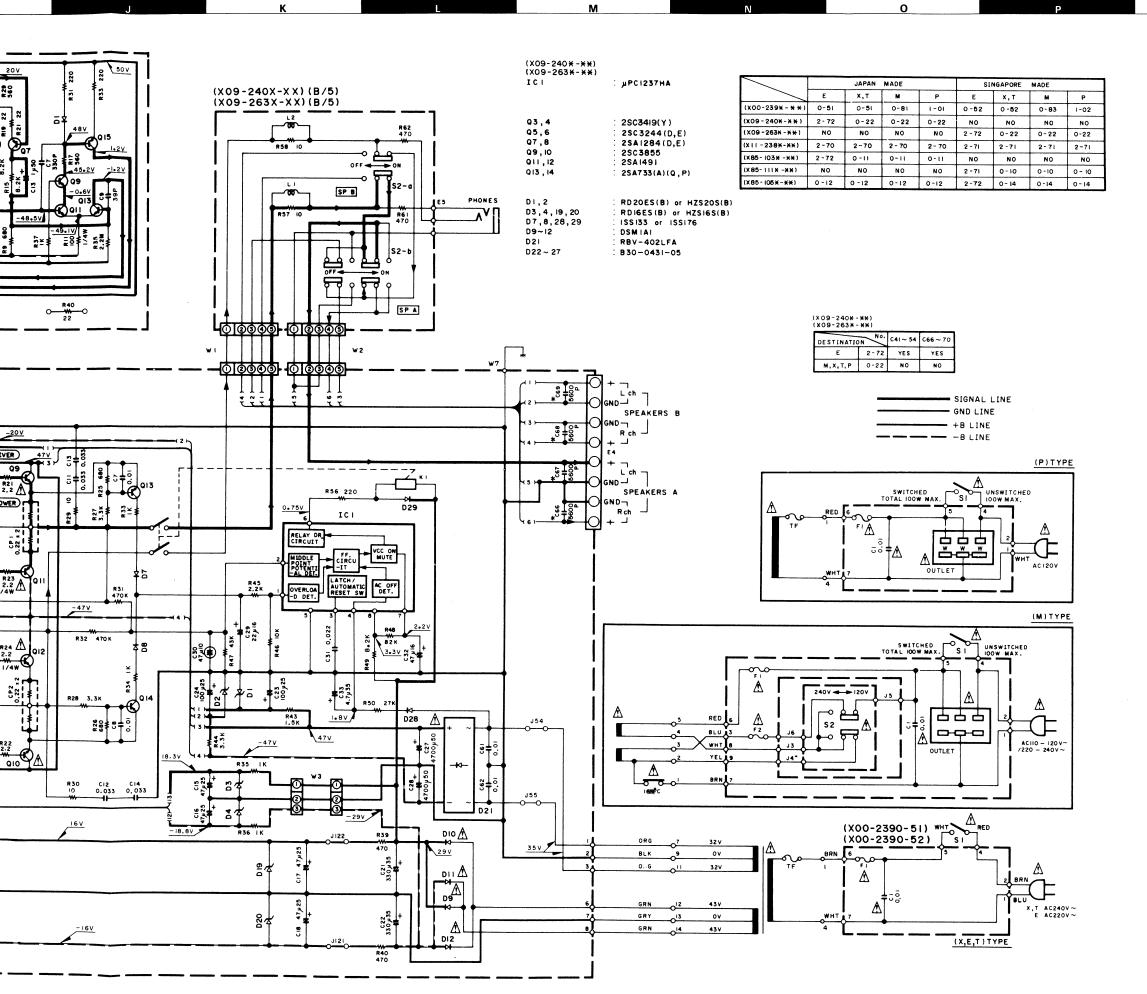
4	– 16V
8	16V











2SA1124
2SA1284
2SA733(A)
2SA999
2SC1845
2SC2632
2SC3244

2SA1491
2SC3855

AN6556
M5218P
μPC4570C
μPC1237HA

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanden die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.



EXPLODED VIEW

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

Parts without Parts No. are not supplied. Les articles non mentionnes dans le Parts No. ne sont pas fournis. Telle ohne Parts No. werden nicht geliefert.

	Ref. No.	Address	New Parts	Parts No.	Description		Re- marks
Į	参照者号	位置	新	部品青号	部 品 名/規 格		備考
				KA-57 (Singapole)	4	
	1 2	1A 2A	*	A01-1481-02 A20-5510-02	METALLIC CABINET PANEL ASSY		
	6 8 9 	2A 2B 2A	*	B03-2402-04 B03-2413-04 B07-1721-02 B46-0096-13 B46-0121-03	DRESSING PLATE(INPUT INDICATOR DRESSING PLATE (POWER) ESCUTCHEON WARRANTY CARD WARRANTY CARD	X P	
			* * *	B46-0122-13 B46-0143-03 B50-8697-00 B50-8698-00 B50-8699-00	WARRANTY CARD WARRANTY CARD INSTRUCTION MANUAL(ENGLISH) INSTRUCTION MANUAL(FRENCH) INSTRUCTION MANUAL(G.D.I)	E T EMXP E	
			* *	B50-8700-00 B50-8701-00 B58-0803-13	INSTRUCTIØN MANUAL(SPANISH) INSTRUCTIØN MANUAL(ARABIC) CAUTIØN CARD	M M E	
A A A	12 12 12 12 12	10 10 10 10 10		E30-0459-05 E30-0812-05 E30-1341-05 E30-1416-05 E30-2209-05	AC POWER CORD	E M X T P	
<u>A</u>	F1 F1 F1 +2	10 10 10		F06-2021-05 F06-4024-05 F05-2023-05	FUSE (SEMK®) (250V T2A) FUSE (UL) (250V 4A) FUSE (250V 2A)	EXT P M	
	 		*	H01-7761-04 H10-3574-02 H11-0015-04 H25-0223-04 H25-0232-04	ITEM CARTON CASE POLYSTYRENE FOAMED FIXTURE POLYSTYRENE FOAMED BOARD PROTECTION BAG (750X350X0.03) PROTECTION BAG (235X350X0.03)		
Δ	16 17	2B,2C 1C		J02-0170-04 J42-0083-05 J61-0307-05	FOOT POWER CORD BUSHING WIRE BAND		
	21 22 23 24 25	2B 1B 1B 1A 2A		K27-0742-14 K27-1722-04 K27-1723-04 K29-2001-04 K29-2020-04	KNOB (BUTTON) SPEAKER,A-B KNOB (BUTTON) INPUT SEL KNOB (BUTTON) LOUDNESS KNOB ASSY(BUTTON) POWER KNOB (MAIN VOL)		
1	26	2A		K29-2639-04	KNØB (TØNE)		
<u>A</u>	29 29 29 29	1B 1B 1B 1B	* *	L01-5171-05 L01-5172-05 L01-5177-05 L01-7635-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	P XT E M	
	33 A F	1C 2B,2C 1C		N08-0128-35 N09-1515-05 N09-1280-05	BINDING POST (GND) TAPPING SCREW (Ø3X8) TAPTITE SCREW (Ø3X8)		
A	_S1.	1B		540-1073-05	PUSH SWITCH (POWER)		<u> </u>
	1	1A	Τ	KA-57 A01-1481-02	(Japan) METALLIC CABINET	1	1
	2 .	2A		A20-5510-02	PANEL ASSY		
	6	2A		B03-2402-04	DRESSING PLATE(INPUT INDICATOR		

E: Scandinavia & Europe K: USA P: Canada U: PX(Far East, Hawaii) T: England M: Other Areas

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	Ref. No.	Address	New Parts	Parts No.	Description		Re- marks
	参照番号	位置	# T	部品 書 号	部品名/規格		備考
	8 9 	2B 2A		B03-2413-04 B07-1721-02 B46-0096-13 B46-0121-03 B46-0122-13	DRESSING PLATE(POWER) ESCUTCHEON WARRANTY CARD WARRANTY CARD WARRANTY CARD	X P E	
			* * * *	846-0143-03 850-8872-00 850-8873-00 850-8874-00 850-8875-00	WARRANTY CARD INSTRUCTION MANUAL(ENGLISH) INSTRUCTION MANUAL(FRENCH) INSTRUCTION MANUAL(G,D,I) INSTRUCTION MANUAL(SPANISH)	T EMXP E M	
			*	B50-8876-00 B58-0803-13	INSTRUCTION MANUAL(ARABIC) CAUTION CARD	M E	
A A A	12 12 12 12 12 12	10 10 10 10 10		E30-0459-05 E30-0812-05 E30-0974-05 E30-1341-05 E30-1416-05	AC POWER CORD	E M P X T	
<u>∧</u> <u>∧</u>	F1 F1 F1 •2	10 10 10		F06-2021-05 F06-4024-05 F05-2023-05	FUSE (SEMK®) (250V T2A) FUSE (UL) (250V 4A) FUSE (250V 2A)	EXT P M	
	 		*	H01-7841-04 H10-3317-02 H11-0002-04 H25-0223-04 H25-0232-04	ITEM CARTÓN CASE PÓLYSTYRENE FÖAMED FIXTURE PÓLYSTYRENE FÖAMED BÖARD PROTECTIÓN BAG (750X350X0.03) PROTECTIÓN BAG (235X350X0.03)		
ΔI	16 17 -	2B+2C 1C		J02-0170-04 J42-0083-05 J61-0307-05	FOOT POWER CORD BUSHING WIRE BAND		
	21 22 23 24 25	28 18 18 14 24		K27-0742-14 K27-1722-04 K27-1723-04 K27-2001-04 K29-2020-04	KNOB (BUTTON)SPEAKER,A-B KNOB (BUTTON)INPUT SEL KNOB (BUTTON)LOUDNESS KNOB ASSY(BUTTON)POWER KNOB MAIN VOL		
	26	2A		K29-2639-04	KNØB TØNE		
A A A	29 29 29 29	1B 1B 1B 1B		L01-7631-05 L01-7632-05 L01-7635-05 L01-7637-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	P XT M E	
	33 A F	10 2B,20 10		N08-0128-35 N09-1515-05 ND9-1280-05	BINDING POST (GND) TAPPING SCREW (Ø3X8) TAPTITE SCREW (Ø3X8)		
Δ	S1	1B	\bigsqcup	S40-1073-05	PUSH SWITCH (POWER)	<u> </u>	_
<u>,</u>	C1	T	PC	OWER SUPPLY UI	NIT (X00-2390-52) CERAMIC	M	1
⚠	C1			C91-0647-05	CERAMIC 0.01UF P	EXTP	
Æ Æ	37 37	10 10	*	E03-0077-05 E03-0078-05	AC DUTLET AC DUTLET	M P	
	45 45 46	10 1B 10	*	J13-0041-05 J13-0054-05 J21-3698-04	FUSE CLIP FUSE CLIP MOUNTING HARDWARE	MP EXT EXT	

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M: Other Areas

⚠ indicates safety critical components.

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Ref. No.	Addres	s New Parts	Parts No.	De	escription		Desti- nation	Re
参照番号	位置		部品番号	部品	名/規	格		mar 備3
S1	10		931-2126-05	SLIDE SWITCH	(POWER	TYPE)	М	
		UDI	O UNIT (X09-240	t de la companya de l				
D22 -27	2B		B30-0431-05	LED(LN21CPH)	MONI,	INPUT INDI		
C1 ,2 C3 ,4 C5 ,6 C7 -10 C11 -14			CE04KW1A101M CC45FSL1H100D C91-0717-05 CF92FV1H103J CF92FV1H333J	ELECTR® CERAMIC CERAMIC MF MF	100UF 10PF 4.7PF 0.010UF 0.033UF			
C15 -18 C21 ,22 C23 ,24 C25 ,26 C27 ,28		*	CE04KW1E470M CE04KW1V331M CE04KW1E101M CE04KW2AR22M C90-0580-05	ELECTR® ELECTR® ELECTR® ELECTR®	47UF 330UF 100UF 0, 22UF 4700UF	25WV 35WV 25WV 100WV 50WV		
C29 C30 C31 C32 C33			CE04KW1C220M C90-1334-05 CF92FV1H223J CE04KW1C470M CE04KW1V4R7M	ELECTRN NP-ELEC MF ELECTRN ELECTRN	22UF 47UF 0. 022UF 47UF 4. 7UF	16WV 10WV J 16WV 35WV		
C34 C39 ,40 C41 ,42 C43 -54 C55 ,56			CF92FV1H223J CF92FV1H473J CC45FSL1H121J CK45FB1H561K CF92FV1H333J	MF MF CERAMIC CERAMIC MF	0.022UF 0.047UF 120PF 560PF 0.033UF	J J K	E	
C61 ,62 C64 ,65 C66 -69 C70			CK45FE2H103P CE04KW1H010M CF92FV1H562J CK45FF1H103Z	CERAMIC ELECTR® MF CERAMIC	0.010UF 1.0UF 5600PF 0.010UF	50WV J	E E	
E1 E2 E3 E4 E5	10 10 10 10 10		E13-0235-05 E13-0497-05 E13-0814-05 E20-0823-05 E11-0162-05	PH®N® JACK(2 PH®N® JACK(4) PH®N® JACK(8) L®CK TERMINAI PH®NE JACK(3)	P) TUNER P) TAPE L BØARD()	•CD/AUX BP)SPRKRS		
L1 ,2			L39-0085-05	PHASE-COMPEN	SATION C	DIL		
G	18		N09-0333-05	TAPPING SCRE	W (Ø3X1	2)		
CP1 +2 R13 +14 R15 R16 R17 -20			R90-0187-05 RD14AB2E220J RD14GB2E220J RD14AB2E220J RD14AB2E331J	MULTI-COMP FL-PROOF RD FL-PROOF RD FL-PROOF RD FL-PROOF RD	0. 22X2 22 22 22 23 330	K 5W J 1/4W J 1/4W J 1/4W J 1/4W		
R21 R23 ,24 R29 ,30 R35 ,36 R39 ,40			RD14AB2E2R2J RD14AB2E2R2J RS14DB3D1OOJ RS14KB3A1O2J RS14DB3A471J	FL-PROOF RD FL-PROOF RD FL-PROOF RS FL-PROOF RS FL-PROOF RS	2.2 2.2 10 1.0K 470	J 1/4W J 1/4W J 2W J 1W J 1W		
R41 ,42 R43 R44 R56 R57			RD14GB2E470J RS14KB3D152J RS14KB3A332J RS14DB3D221J RS14KB3A100J	FL-PROOF RD FL-PROOF RS FL-PROOF RS FL-PROOF RS FL-PROOF RS	47 1.5K 3.3K 220	J 1/4W J 2W J 1W J 2W J 1W		
R58 R61 .62 VR1 .2			RS14DB3A100J RS14DB3D471J R12-1066-05	FL-PRØØF RS FL-PRØØF RS TRIMMING PØT	10 470 (1K) ID	J 1W J 2W LE		

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M: Other Areas

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	Ref. No.	Address	New Parts	Parts No.	Description		Re-
	参照者号	位置	新	部品番号	部品名/規格		marks 備考
	VR3	2B		R06-5151-05	POTENTIOMETER(100K B)VOL CONT		
	K1 S1 S2	1B 2C 1A,1B	*	\$51-2078-05 \$42-6021-05 \$42-2153-05	MAGNETIC RELAY MULTIPLE PUSH SWITCH(INPUT SEL MULTIPLE PUSH SWITCH(SPEAKERS)		
	D1 .2 D1 .2 D3 .4 D3 .4 D7 .8		*	HZS2OS(B) RD2OES(B) HZS16S(B) RD16ES(B) 1SS133	ZENER DIØDE ZENER DIØDE DIØDE ZENER DIØDE DIØDE		
◭	D7 .8 D9 -12 D19 .20 D19 .20 D21		*	1SS176 DSM1A1 HZS16S(B) RD16ES(B) RBV402LFA	DIQUE DIQUE DIQUE ZENER DIQUE DIQUE		
	D28 ,29 D28 ,29 IC1 03 ,4 Q5 ,6			198133 198176 UPC1237HA 29C3419(Y) 25C3244(D,E)	DIØDE DIØDE IC(PØWER AMP) TRANSISTØR TRANSISTØR		
☆	07 ,8 09 ,10 011 ,12 013 ,14			2SA1284(D,E) 2SC3855 2SA1491 2SA733(A)(Q,P)	TRANSISTÖR TRANSISTÖR TRANSISTÖR TRANSISTÖR		
				TONE UNIT (X11-2382-71)	•	
	C1 +2 C3 +4 C5 -8 C9 C10			CK45FB1H471K CE04KW1V100M CF92FV1H223J CE04KW1V100M CE04JW1V100M	CERAMIC 470PF K ELECTR® 10UF 35WV MF 0.022UF J ELECTR® 10UF 35WV ELECTR® 10UF 35WV		
	C11 ,12 C13 -16 C17 ,18 C19 ,20 C21			CE04KW1V100M CF92FV1H334J CC45FSL1H150J CK4SFB1H681K CE04KW1H010M	ELECTR® 10UF 35WV MF 0.33UF J CERAMIC 15PF J CERAMIC 680PF K ELECTR® 1.0UF 50WV		
	022 023 •24			CEO4CW1HO1OM CEO4KW1E47OM	ELECTR® 1.OUF 50WV ELECTR® 47UF 25WV		
	R27 +28 VR1 VR2 +3	1B 1B		RD14GB2E470J RO6-5134-05 RO6-3048-05	FL-PROOF RD 47 J 1/4W POTENTIOMETER(200K BH)BALANCE POTENTIOMETER(10K B)BASS,TREB		
	IC1			UPC4570C	IC(NP AMP X2)		
		PREAMPLIFIER UNIT (X85-1032-72)					
	C1 ,2 C3 ,4 C5 C6 C7			CE04FW1C100M CE04FW1A470M CF92FV1H123J CF92FV1H123J CF92FV1H332J	ELECTR® 10UF 16WV ELECTR® 47UF 10WV MF 0.012UF J MF 0.012UF J MF 3300PF J		
	C8 C9 ,10 C11 ,12 C15 ,16 C15 ,16			CF92FV1H332J CE04KW1V100M CK45FF1H103Z CK45FB1H222K CK45FB1H561K	MF 3300PF J ELECTR® 10UF 35WV CERAMIC 0.010UF Z CERAMIC 2200PF K CERAMIC 560PF K	E MXTP	
ļ	C17 ,18			CC45FSL1H101J	CERAMIC 100PF J	MXTP	

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Ref. No.	Address		Parts No.	-	Description		Desti-	Re-
参照番号	位置	Parts ≸i	部品番号	都。	品 名 / 規	格		mark 備考
017 ,18			CC45FSL1H221J	CERAMIC	220PF	J	Ε	
(C1 (C1			AN6556 M5218P	IC(OP AMP X				
. 13.1	1	P	OWER AMPLIFIE			2)		L
1 ,2 3 -6 7 ,8 9 ,10 9 ,10			CE04FW1H2R2MEL CC45FSL1H101J CC45FSL1H331J CC45FSL1H220J CC45FSL1H390J	ELECTR® CERAMIC CERAMIC CERAMIC CERAMIC	2. 2UF 100PF 330PF 22PF 39PF	50WV J J J	E	
9 ,10 11 -14 15 ,16 15 ,16			CC45FSL1H390J CE04FW1H010MEL CK45FB1H152K CK45FB1H152K CK45FB1H222K	CERAMIC ELECTR® CERAMIC CERAMIC CERAMIC	39PF 1.0UF 1500PF 1500PF 2200PF	J 50WV K K K	MXTP MXTP E	
:11 ,12 :31 -34			RD14AB2E101JTS RD14AB2E221JTS	FL-PROOF RD FL-PROOF RD		J 1/4W J 1/4W		
1 -6 1 -6 1 -4 5 -8 5 -8			1SS133 1SS176 2SC1845(F,E) 2SA733(A)(Q,P) 2SA999(E,F)	DIØDE DIØDE TRANSISTØR TRANSISTØR TRANSISTØR				
9 -14 15 •16			2SC2632(Q,R,S) 2SA1124(Q,R,S)	TRANSISTØR TRANSISTØR				

E: Scandinavia & Europe K: USA

P: Canada

U: PX(Far East, Hawaii) T: England

M: Other Areas

UE: AAFES(Europe)

X: Australia



SPECIFICATIONS

Audio Section Rated Power Output

> 50 vatts per channel minimum RMS, both channels driven, at 8 ohms from 20 Hz to 20,000 Hz with no mom than 0.09% total harmonic distortion.

Maximum Continuous power output (IEC/NF) from 63 Hz to 12,500 Hz, 0.7% T.H.D. 8 o ms55 W+55 W Both Channels Driven60 W + 60 W 8 ohms 1,000 Hz 75 W + 75 W4 ohms 1,000 Hz Music Power Output at 8 ohms100 W + 100 W Total Harmonic Distortion LINE input to SPEAKER output (20 Hz to 20,000 Hz) 0.09% at rated power into 8 ohms (20 Hz to 20,000 Hz)0.03% at 1/2 rated power into 8 ohms to 8 ohms Intermodulation Distortion ... 0.03% at rated power into (60 Hz:7 kHz = 4:1)8 ohms Damping Factor40 (50 Hz at 8 ohms) Power Bandwidth.................10 Hz to 100 kHz at 0.2% T.H.D. 8 ohms Frequency Response...........10 Hz to 70 kHz, +0 dB, -3 dBInput Sensitivity/Impedance Phone2.5 mV/47 k ohms

Signal-to-Noise Ratio (IHF-	
Phono	
	81 dB for 5.0 mV input
Tuner, Tape play, CD/AU	
Signal to Noise Ratio Unwe	eighted at 50 mW (DIN)
Phono	57 dB
Tuner, Tape play, CD/AU	
Channel Separation at 1 kł	iz (DIN)
Phono (Terminated with	
2.2 kohms)	55 dB
Tuner, Tape play, CD/AU	
47 kohms + 250 pF)	
Phono Input Capacity (DIN) .220 pF
Phono Maximum Input Lev	el 170 mV, T.H.D. 0.05% at
	1 kHz
Output Level/Impedance	
Tape REC (Pin)	150 mV/330 ohms
	RIAA standard curve ±0.5 dB
	(20 Hz to 20 kHz)
Tone Control	
Bass	
Treble	
Loudness Control	
	(at -30 dB VOLUME Level)
General	
Power Consumption	3 A (U.S.A. & Canada models)
Tottor Concumption	200 W (Other countries)
Dimensions	
2	H: 110 mm (4-5/16")
	D: 277 mm (10-7/8")
Weight (Net)	

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

Tuner, Tape play, CD/AUX 150 mV/27 k ohms

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui doncerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten iederzeit vorbehalten.

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